

CLAIMS

1. A pipe segment (1) of definite length for oil extraction industry, having a central portion with a substantially cylindrical wall and at least a threaded end portion (3,4), characterised in that at least the surface of the threaded end portion (3,4) has a surface roughness (Ra) comprised between 2.0 μm and 6.0 μm , said surface being covered by a first uniform layer (7) of a dry corrosion inhibiting coating and said first layer (7) being covered by a second uniform layer (8) of dry lubricant coating.
2. The pipe segment according to claim 1, wherein the first layer (7) is made of an epoxy resin containing particles of Zn.
3. The pipe segment according to claim 2, wherein the first layer (7) has a thickness comprised between 10 and 20 μm .
4. The pipe segment according to claim 1, wherein the second layer (8) is made of an inorganic binder and a mixture of particles of solid lubricants, one of which is molybdenum disulphide.
5. The pipe segment according to claim 4, wherein the second layer (8) has a thickness between 10 and 20 μm .
6. The pipe segment according to claim 1, wherein said threaded end portion is of conical or frusto-conical envelope.

7. The pipe segment according to claim 1, wherein said threaded end portion is of cylindrical envelope.

8. The pipe segment according to claim 6, wherein the pipe is threaded as a male member of a connection.

9. The pipe segment according to claim 6, wherein the pipe is threaded as a female member of a connection.

10. A pipe segment (1, 2) of definite length for the oil or gas extraction industry, with a central portion with a substantially cylindrical wall and at least a threaded end portion (3,4), characterised in that at least the surface of the threaded end portion (3,4) has a surface roughness (Ra) comprised between 2.0 μm and 6.0 μm , said surface being covered by a first uniform layer (9) of a dry corrosion inhibiting coating containing a dispersion of particles of solid lubricant.

11. The pipe segment according to claim 10, wherein the uniform layer (9) contains a dispersion of particles of molybdenum disulphide.

12. A threaded pipe joint for oil or gas extraction industry made of male and female threaded pipe members with male and female threads respectively, wherein at least one of the pipe members has a pipe segment according to claim 1.

13. A process to make a pipe segment of a metallic pipe for oil extraction industry with the characteristics according to claim 1, comprising the steps of:

a) providing surface roughness (Ra) of the pipe metal at least near the threaded portion with value comprised between 2.0 μm and 6.0 μm ;

b) providing a first uniform layer (7) of a dry corrosion inhibiting coating over the metal surface at least near the threaded portion;

c) providing a second uniform layer (8) of dry lubricant coating over the first uniform layer (7) of corrosion inhibiting coating at least near the threaded portion.

14. The process to make a pipe segment of a metallic pipe for oil or gas extraction industry with the characteristics according to claim 1, comprising the steps of:

a) providing surface roughness (Ra) of the pipe metal at least near the threaded portion with value comprised between 2.0 μm and 6.0 μm ;

b) providing a first uniform layer (9) of a dry corrosion inhibiting coating containing a dispersion of particles of solid lubricant over the pipe metal surface at least near the threaded portion.

15. The process according to claim 13, wherein the surface roughness (Ra) of the metal is achieved by abrasive blasting.

16. The process according to claim 13, wherein the surface roughness (Ra) of the metal is achieved by depositing a phosphate layer on the metal surface.